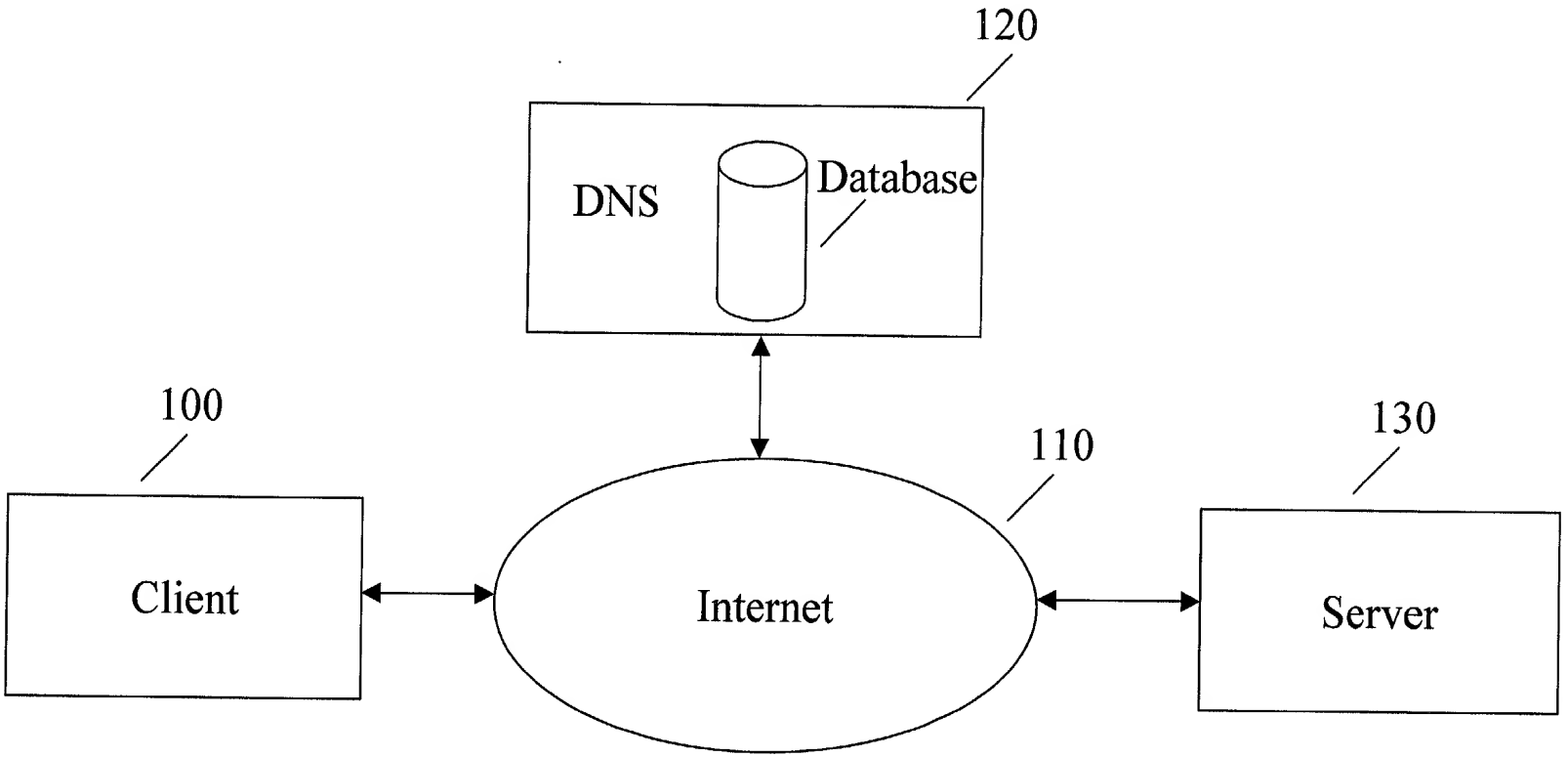

FIG. 1

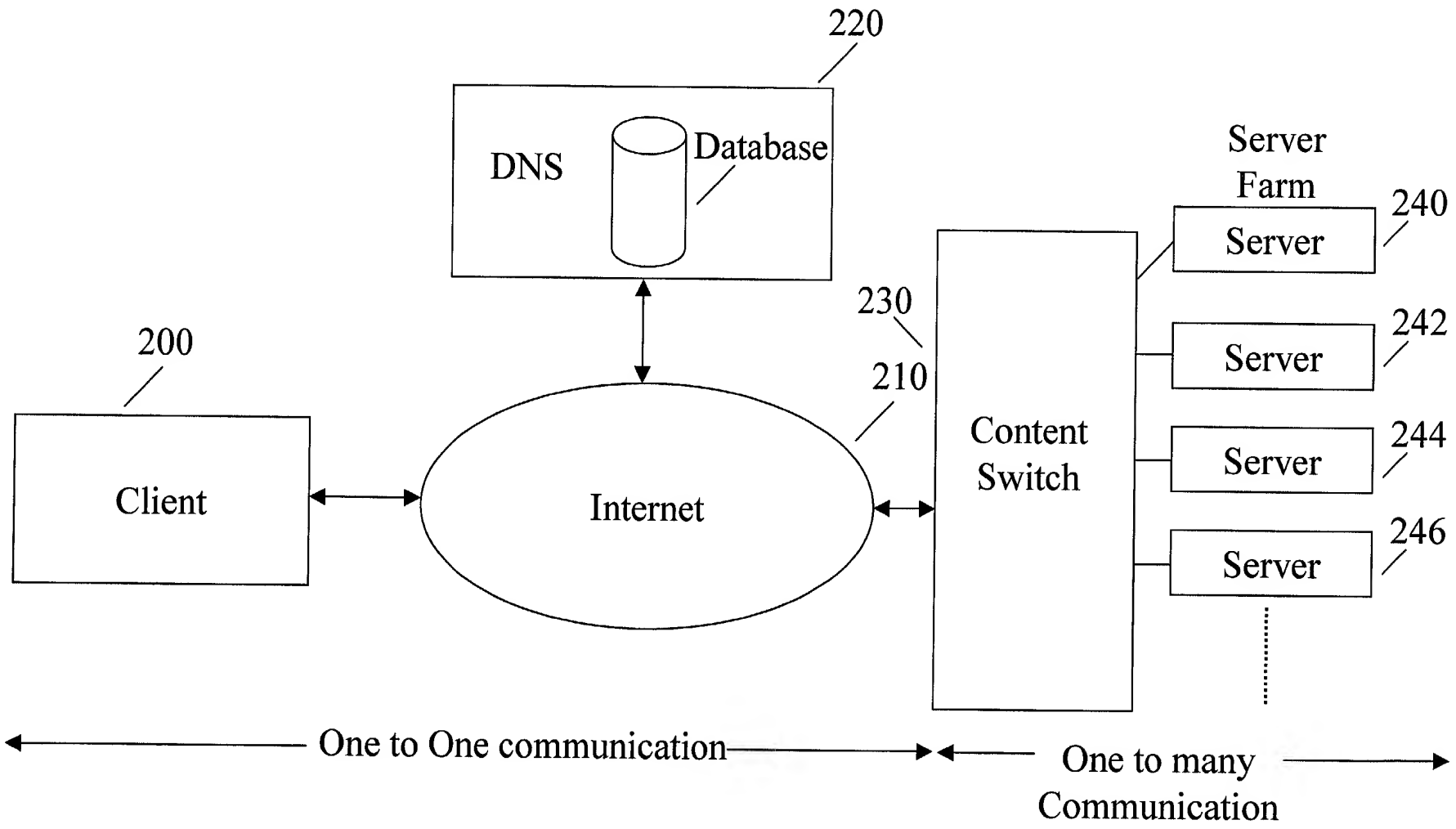
220
DNS
Database
Server
Farm
240
Server
230
242
Server
200
210
244
Server
Content
Switch
Client
Internet
246
Server
One to One communication
One to many
Communication

FIG. 2

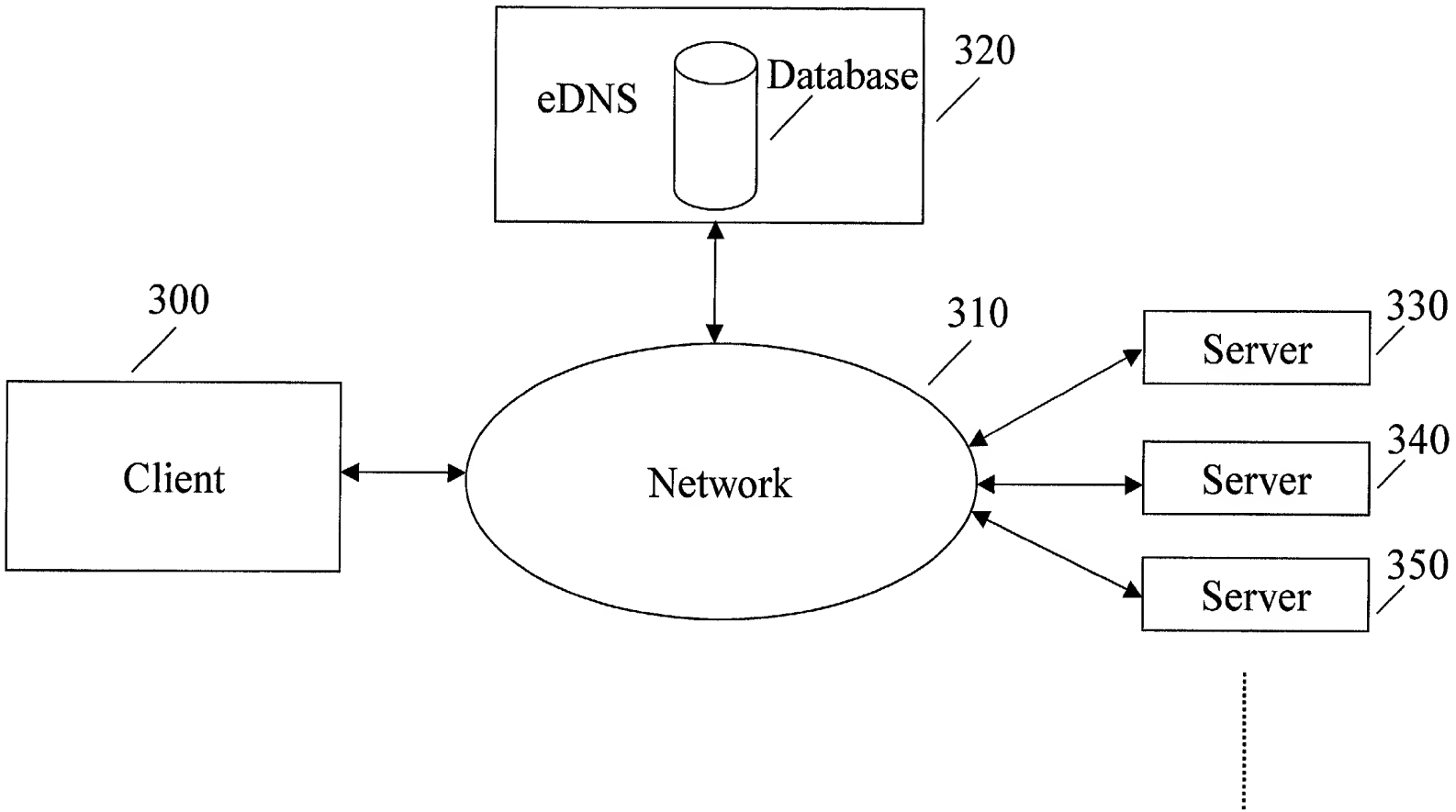
eDNS
Database
320
300
310
330
Client
Network
Server
340
Server
350
Server

FIG. 3

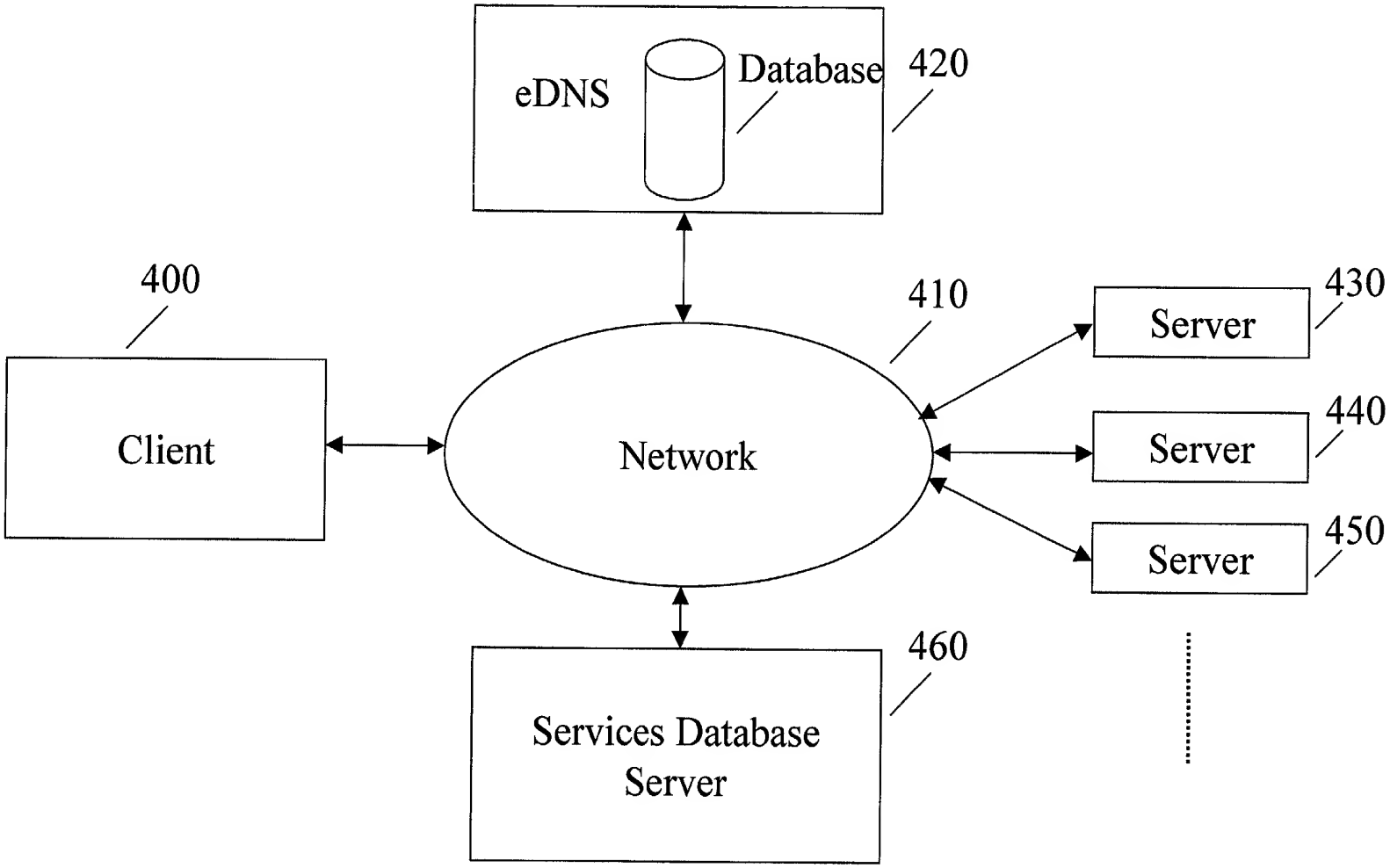
eDNS
Database
420
400
410
430
Client
Network
Server
440
Server
450
Server
460
Services Database
Server

FIG. 4

Patent Pending

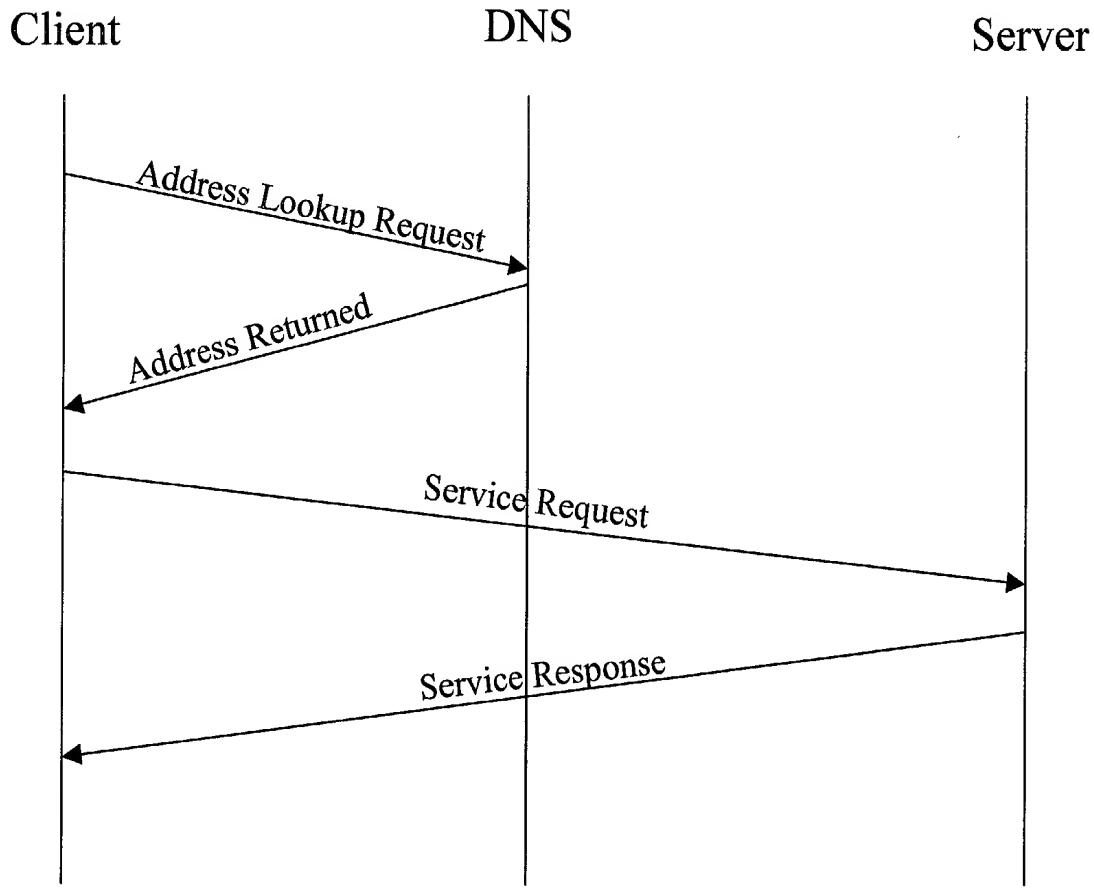

FIG. 5

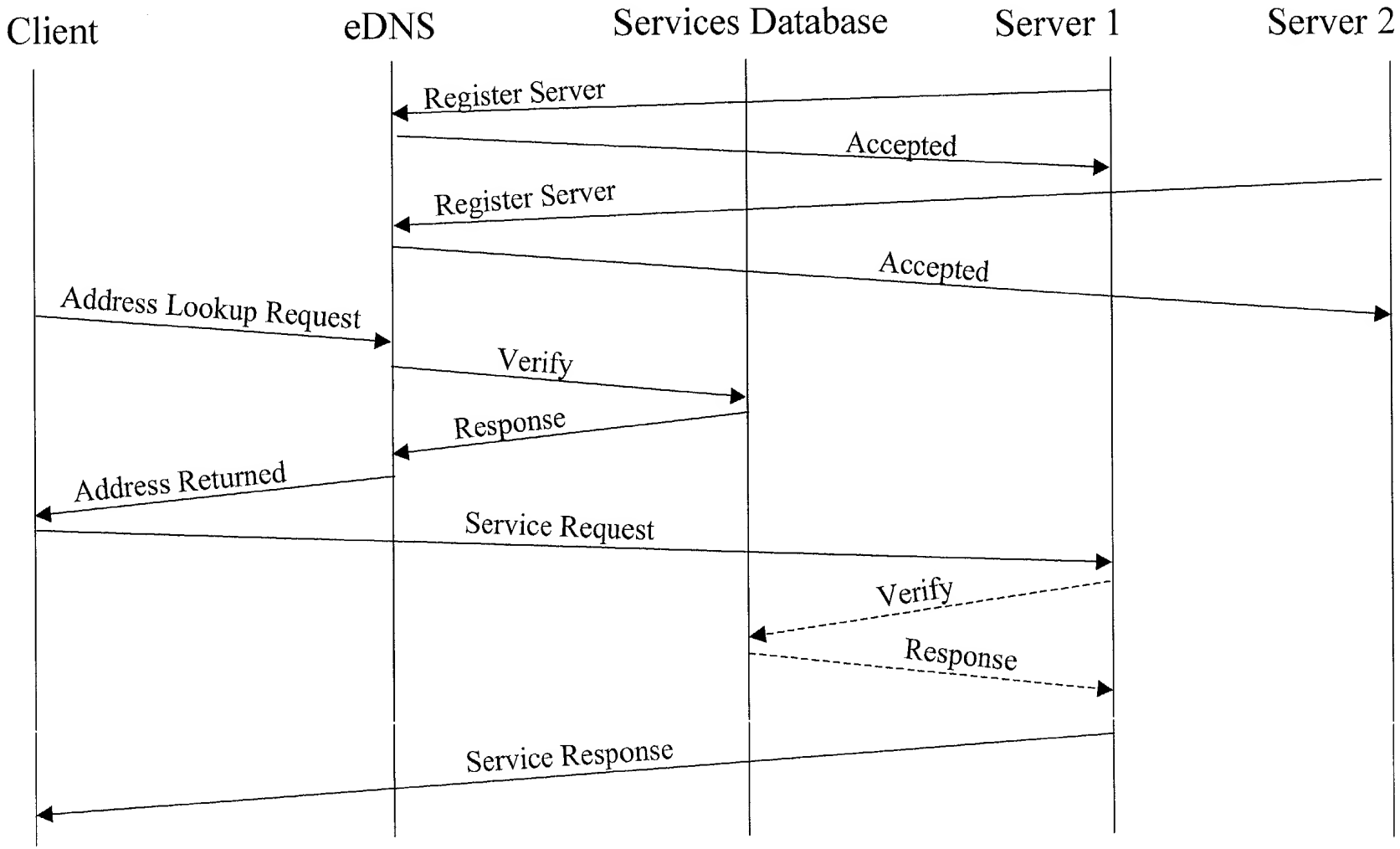
Client
eDNS
Services Database
Server 1
Server 2
Register Server
Accepted
Register Server
Accepted
Address Lookup Request
Verify
Response
Address Returned
Service Request
Verify
Response
Service Response

FIG. 6

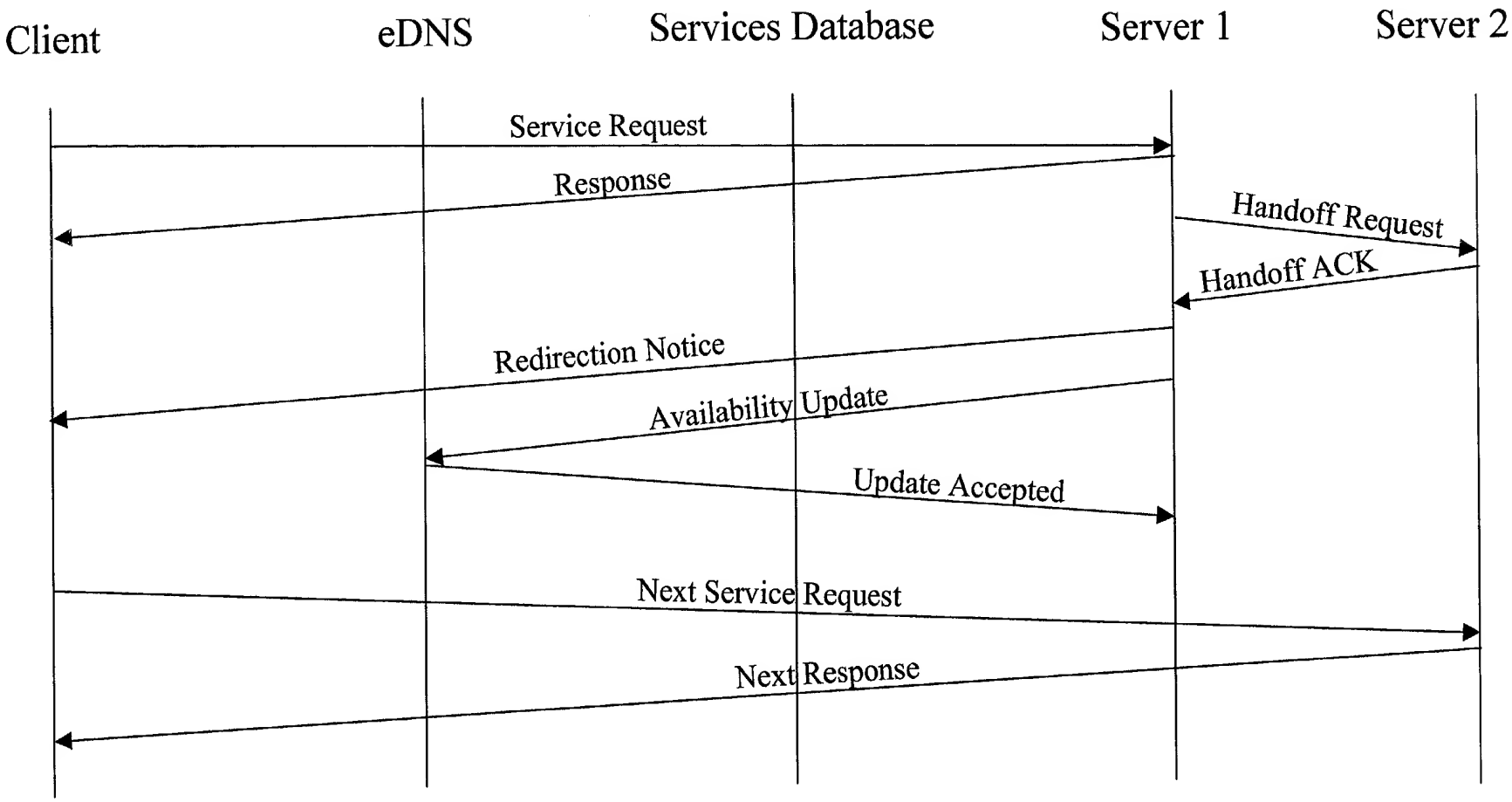
Client
eDNS
Services Database
Server 1
Server 2
Service Request
Response
Handoff Request
Handoff ACK
Redirection Notice
Availability Update
Update Accepted
Next Service Request
Next Response

FIG. 7

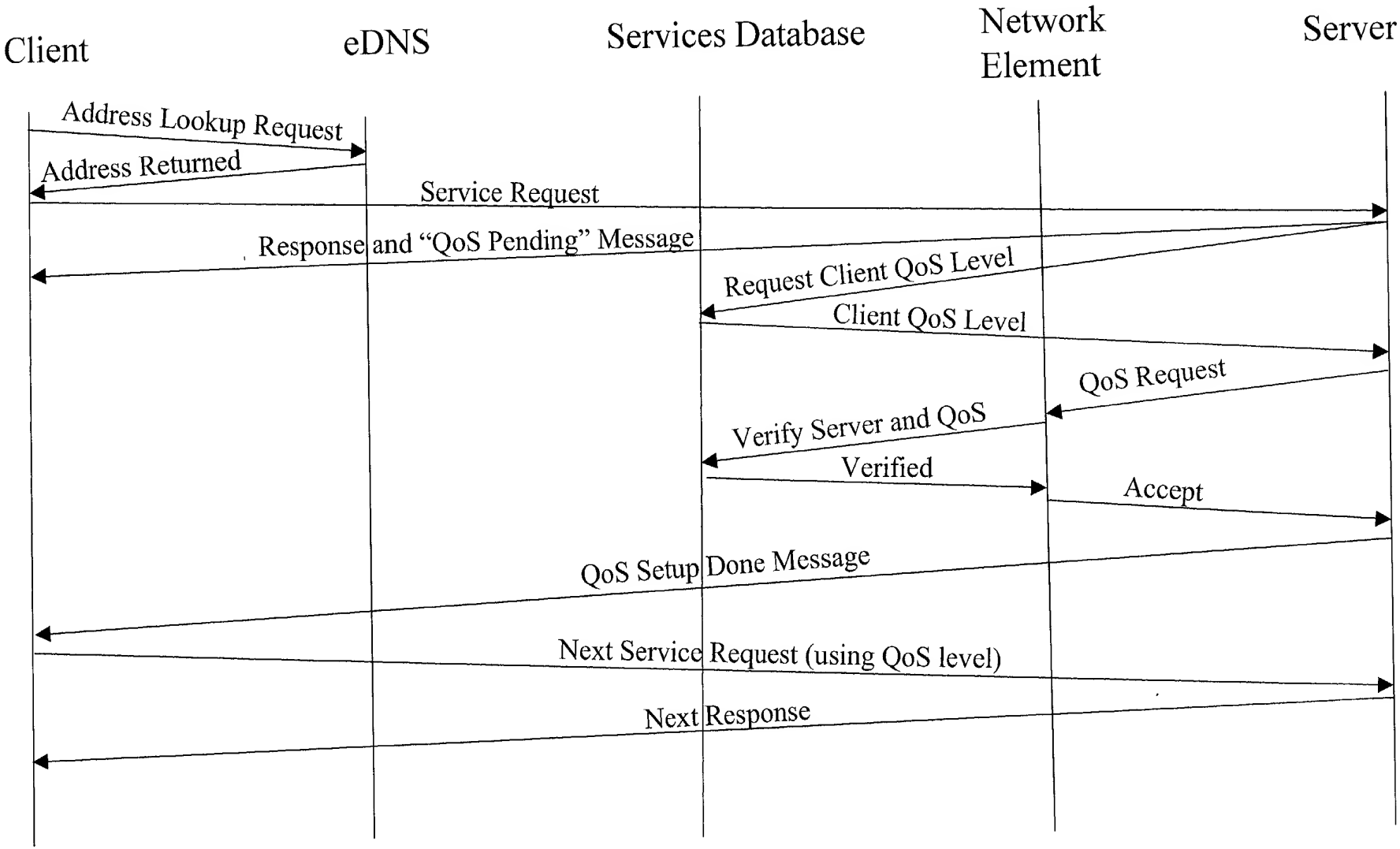
Client
eDNS
Services Database
Network Element
Server
Address Lookup Request
Address Returned
Service Request
Response and "QoS Pending" Message
Request Client QoS Level
Client QoS Level
QoS Request
Verify Server and QoS
Verified
Accept
QoS Setup Done Message
Next Service Request (using QoS level)
Next Response

FIG. 8

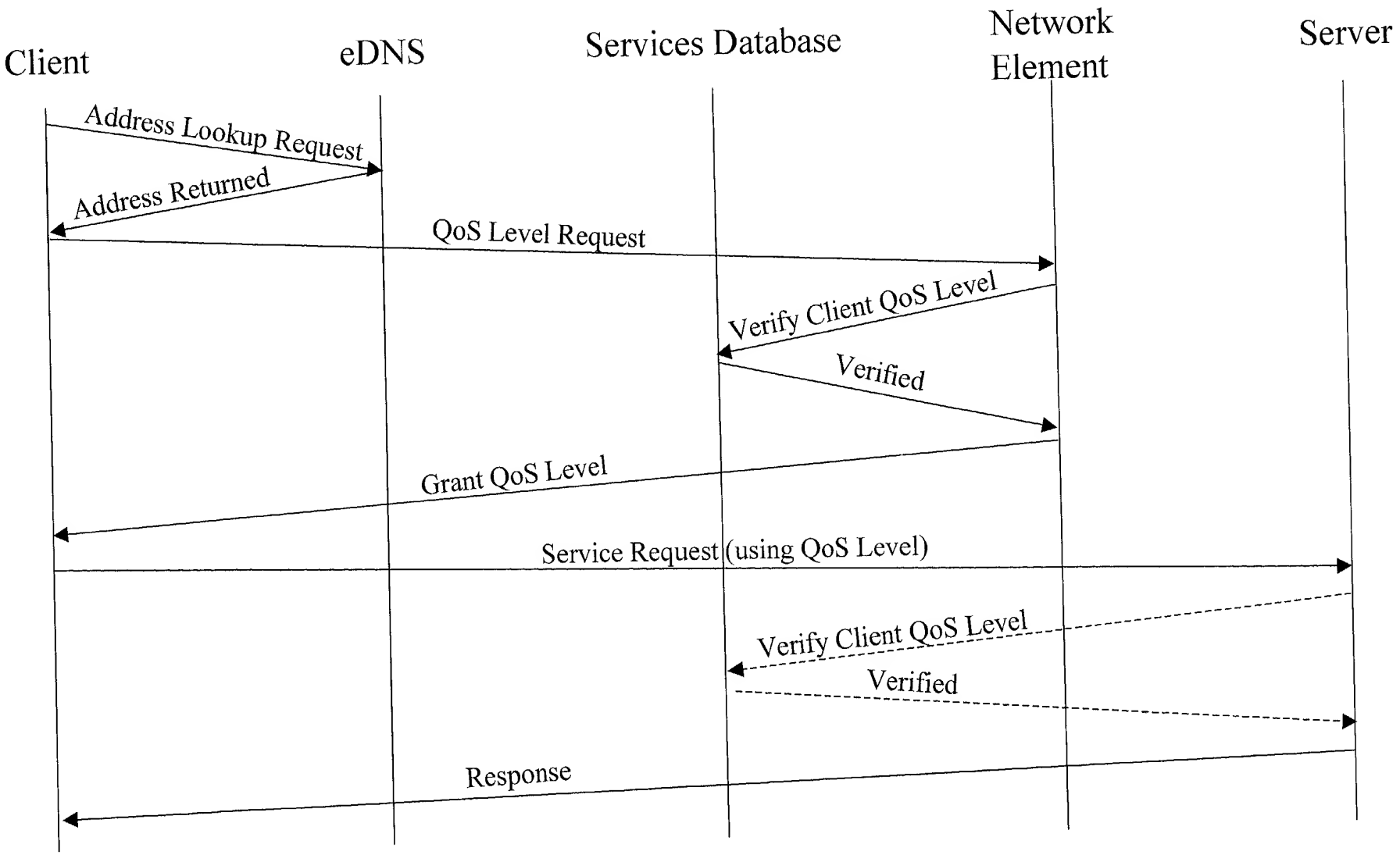
Client
eDNS
Services Database
Network Element
Server
Address Lookup Request
Address Returned
QoS Level Request
Verify Client QoS Level
Verified
Grant QoS Level
Service Request (using QoS Level)
Verify Client QoS Level
Verified
Response

FIG. 9